

API Documentation of IM Service Project

This is an IM Service MERN Stack project 's API Document that describing api 's http method, path, request and response.

Base URL of APIs: <http://BACKEND:5000/>

BACKEND : deploy url

User Endpoints

/ Get all users

- Method: GET
- URL: `/api/users`
- Permissions: All users
- Description: Retrieve a list of all users.
- Response:
 - Content-Type: application/json
 - Body:
 - List of users (array)

/ Get user by ID

- Method: GET
- URL: `/api/users/:id`
- Permissions: All users
- Description: Retrieve a user by their ID.
- Response:

- Content-Type: application/json
- Body:
 - user

/ Create a new user

- Method: POST
- URL: `/api/users`
- Permissions: All users
- Description: Create a new user.
- Request Body:
 - Content-Type: application/json
 - Parameters:
 - username (string): The username of the user.
 - email (string): The email of the user.
 - gender (string): The gender of the user.
 - address (string): The address of the user.
 - role (string): The role of the user.
 - password (string): The password of the user.
- Request Body:
 - Content-Type: application/json
 - Parameters:
 - success (string): success to register.

/ Login

- Method: POST
- URL: `/api/users/login`
- Permissions: All users
- Description: Log in to the system.
- Request Body:
 - Content-Type: application/json
 - Parameters:
 - email (string): The email of the user.
 - password (string): The password of the user.
- Response:
 - Content-Type: application/json
 - Body:
 - access_token (string): The access token for authentication.

/ Update avatar

- Method: POST
- URL: `/api/users/avatar`
- Permissions: All users
- Description: Update avatar.
- Request Body:
 - Content-Type: application/json
 - Parameters:
 - file (FormData): The file of the avatar.
 - id (ObjectId): The id of the user.
- Response:

- Content-Type: application/json
- Body:
 - success (string): success to update.

/ Update user by ID

- Method: PUT
- URL: `/api/users/:id`
- Permissions: Admin and manager only
- Description: Update a user by their ID.
- Request:
 - Content-Type: application/json
 - Body
 - username (string): The username of the updating user.
 - email (string): The email of the updating user.
 - gender (string): The gender of the updating user.
 - address (string): The address of the updating user.
 - role (string): The role of the updating user.
 - password (string): The password updating of the user.

/ Delete user by ID

- Method: DELETE
- URL: `/api/users/:id`
- Permissions: Admin only
- Description: Delete a user by their ID.

Customer Endpoints

/ Get all Customers

- Method: GET
- URL: `/api/customers`
- Permissions: All customers
- Description: Retrieve a list of all customers.
- Response:
 - Content-Type: application/json
 - Body:
 - List of customers (array)

/ Get customers by ID

- Method: GET
- URL: `/api/customers/:id`
- Permissions: All users
- Description: Retrieve a customer by their ID.
- Response:
 - Content-Type: application/json
 - Body:
 - customer

/ Create a new customer

- Method: POST
- URL: `/api/ customers`
- Permissions: Only Admin
- Description: Create a new customer.
- Request Body:
 - Content-Type: application/json
 - Parameters:
 - username (string): The username of the customers.
 - email (string): The email of the customers.
 - gender (string): The gender of the customers.
 - address (string): The address of the customers.
 - password (string): The password of the customers.
- Response:
 - Content-Type: application/json
 - Parameters:
 - success (string): success to register.

/ Update customer by ID

- Method: PUT
- URL: `/api/ customers /:id`
- Permissions: Admin and manager only
- Description: Update a customers by their ID.
- Request:
 - Content-Type: application/json
 - Body

- username (string): The username of the updating customers.
- email (string): The email of the updating customers.
- gender (string): The gender of the updating customers.
- address (string): The address of the updating customers.
- password (string): The password updating of the customers.

/ Delete customer by ID

- Method: DELETE
- URL: `/api/ customers /:id`
- Permissions: Admin only
- Description: Delete a customer by their ID.

Transactions Endpoints

/ Get all transations

- Method: GET
- URL: `/api/ transations `
- Permissions: All users
- Description: Retrieve a list of all transactions.
- Response:
 - Content-Type: application/json
 - Body:
 - List of transactions (array)

/ Get transactions by ID

- Method: GET
- URL: `/api/ transactions /:id`
- Permissions: All users
- Description: Retrieve a transactions by their ID.
- Response:
 - Content-Type: application/json
 - Body:
 - transaction

/ Create a new transactions

- Method: POST
- URL: `/api/ transactions `
- Permissions: All users
- Description: Create a new transactions.
- Request Body:
 - Content-Type: application/json
 - Parameters:
 - date (string): The date of the transaction.
 - type (string): The type of the transaction.
 - amount (string): The amount of the transaction.
 - description (string): The description of the transaction.
- Response
 - Content-Type: application/json
 - Parameters:

- success (string): success to register.

- Method: PUT

- URL: `/api/ transactions /:id`

- Permissions: Admin and manager only

- Description: Update a transaction by their ID.

- Request:

- Content-Type: application/json

- Body

- date (string): The date of the updating transaction.

- type (string): The type of the updating transaction.

- amount (string): The amount of the updating transaction.

- description (string): The description of the updating transaction.

/ Delete transaction by ID

- Method: DELETE

- URL: `/api/transaction/:id`

- Permissions: Admin only

- Description: Delete a transaction by their ID.